

SEQUENCE LISTING

<110> Cochran, Mark D
Cook, Stephanie M
Wild, Martha A

<120> Novel Avian Herpes Virus and Uses Thereof

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<150> 09/426,352

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<151> 1997-02-21

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<151> 1995-08-09

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<170> PatentIn Ver. 2.1

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gcg	atg	gga	atc	gtg	atc	act	gga	aat	cac	gtc	tcc	gcc	agg	att	gac	2101	
Ala	Met	Gly	Ile	Val	Ile	Thr	Gly	Asn	His	Val	Ser	Ala	Arg	Ile	Asp		
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gac	gat	cac	atc	gtg	atc	gtc	gcg	cct	cgc	ccc	gaa	gct	aca	att	caa	2149	
Asp	Asp	His	Ile	Val	Ile	Val	Ala	Pro	Arg	Pro	Glu	Ala	Thr	Ile	Gln		
				475					480					485			
ctg	cag	cta	ttt	ttc	atg	cct	ggc	cag	aga	ccc	cac	aaa	ccc	tac	tca	2197	
Leu	Gln	Leu	Phe	Phe	Met	Pro	Gly	Gln	Arg	Pro	His	Lys	Pro	Tyr	Ser		
			490					495					500				
gga	acc	gtc	cgc	gtc	gcg	ttt	cgg	tct	gat	ata	aca	aac	cag	tgc	tac	2245	
Gly	Thr	Val	Arg	Val	Ala	Phe	Arg	Ser	Asp	Ile	Thr	Asn	Gln	Cys	Tyr		
		505					510					515					
cag	gaa	ctt	agc	gag	gag	cgc	ttt	gaa	aat	tgc	act	cat	cga	tcg	tct	2293	
Gln	Glu	Leu	Ser	Glu	Glu	Arg	Phe	Glu	Asn	Cys	Thr	His	Arg	Ser	Ser		
	520					525					530						
tct	gtt	ttt	gtc	ggc	tgt	aaa	gtg	acc	gag	tac	acg	ttc	tcc	gcc	tcg	2341	

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Ser 535	Val	Phe	Val	Gly	Cys 540	Lys	Val	Thr	Glu	Tyr 545	Thr	Phe	Ser	Ala	Ser 550	
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gac Asp	acc Thr	aaa Lys 585	gaa Glu	ccc Pro	att Ile	gac Asp	gtc Val 590	ttc Phe	gcg Ala	atc Ile	caa Gln	cta Leu 595	tcg Ser	gtg Val	tat Tyr	2485
caa Gln	ttc Phe 600	gcg Ala	aac Asn	acc Thr	gcc Ala	gcg Ala 605	act Thr	cgc Arg	gga Gly	ctc Leu	tat Tyr 610	tcc Ser	aag Lys	gct Ala	tcg Ser	2533
tgt Cys 615	cgc Arg	acc Thr	ttc Phe	gga Gly 620	tta Leu	cct Pro	acc Thr	gtc Val	caa Gln	ctt Leu 625	gag Glu	gcc Ala	tat Tyr	ctc Leu	agg Arg 630	2581
acc Thr	gag Glu	gaa Glu	agt Ser	tgg Trp 635	cgc Arg	aac Asn	tgg Trp	caa Gln	gcg Ala 640	tac Tyr	gtt Val	gcc Ala	acg Thr	gag Glu 645	gcc Ala	2629
acg Thr	acg Thr	acc Thr	agc Ser 650	gcc Ala	gag Glu	gcg Ala	aca Thr	acc Thr 655	ccg Pro	acg Thr	ccc Pro	gtc Val	act Thr 660	gca Ala	acc Thr	2677
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gtt Val 695	act Thr	gtc Val	cgt Arg	ctc Leu	ggg Gly 700	aca Thr	atg Met	agc Ser	cct Pro	acg Thr 705	cta Leu	att Ile	ggg Gly	gta Val 710	acc Thr	2821
gtg Val	gct Ala	gcc Ala	gtc Val	gtg Val 715	agc Ser	gca Ala	acg Thr	atc Ile	ggc Gly 720	ctc Leu	gtc Val	att Ile	gta Val 725	att Ile	tcc Ser	2869
atc Ile	gtc Val	acc Thr	aga Arg 730	aac Asn	atg Met	tgc Cys	acc Thr	ccg Pro 735	cac His	cga Arg	aaa Lys	tta Leu	gac Asp 740	acg Thr	gtc Val	2917
tcg Ser	caa Gln	gac Asp 745	gac Asp	gaa Glu	gaa Glu	cgt Arg	tcc Ser 750	caa Gln	act Thr	aga Arg	agg Arg 755	gaa Glu 755	tcg Ser	cga Arg	aaa Lys	2965
ttt Phe 760	gga Gly	ccc Pro	atg Met	gtt Val	gcg Ala	tgc Cys 765	gaa Glu	ata Ile	aac Asn	aag Lys	ggg Gly 770	gct Ala	gac Asp	cag Gln	gat Asp	3013
agt Ser 775	gaa Glu	ctt Leu	gtg Val	gaa Glu	ctg Leu 780	gtt Val	gcg Ala	att Ile	gtt Val	aac Asn 785	ccg Pro	tct Ser	gcg Ala	cta Leu	agc Ser 790	3061
tcg Ser	ccc Pro	gac Asp	tca Ser	ata Ile	aaa Lys	atg Met	tga	ttaagtctga	atgtggctct	ccaatcattt						3115
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 35 40 45
 Glu His Ile Cys Phe Val Arg Asn Ala Met Asp Arg His Leu Phe Leu
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 Arg Asn Ala Phe Trp Thr Ile Val Leu Leu Ser Ser Phe Ala Ser Gln
 65 70 75 80
 Ser Thr Ala Ala Val Thr Tyr Asp Tyr Ile Leu Gly Arg Arg Ala Leu
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 Asp Ala Leu Thr Ile Pro Ala Val Gly Pro Tyr Asn Arg Tyr Leu Thr
 100 105 110
 Arg Val Ser Arg Gly Cys Asp Val Val Glu Leu Asn Pro Ile Ser Asn
 115 120 125
 Val Asp Asp Met Ile Ser Ala Ala Lys Glu Lys Glu Lys Gly Gly Pro
 130 135 140
 Phe Glu Ala Ser Val Val Trp Phe Tyr Val Ile Lys Gly Asp Asp Gly
 145 150 155 160
 Glu Asp Lys Tyr Cys Pro Ile Tyr Arg Lys Glu Tyr Arg Glu Cys Gly
 165 170 175
 Asp Val Gln Leu Leu Ser Glu Cys Ala Val Gln Ser Ala Gln Met Trp
 180 185 190
 Ala Val Asp Tyr Val Pro Ser Thr Leu Val Ser Arg Asn Gly Ala Gly
 195 200 205
 Leu Thr Ile Phe Ser Pro Thr Ala Ala Leu Ser Gly Gln Tyr Leu Leu
 210 215 220
 Thr Leu Lys Ile Gly Arg Phe Ala Gln Thr Ala Leu Val Thr Leu Glu
 225 230 235 240
 Val Asn Asp Arg Cys Leu Lys Ile Gly Ser Gln Leu Asn Phe Leu Pro

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				245					250					255		
Ser	Lys	Cys	Trp 260	Thr	Thr	Glu	Gln	Tyr 265	Gln	Thr	Gly	Phe	Gln 270	Gly	Glu	
His	Leu	Tyr 275	Pro	Ile	Ala	Asp	Thr 280	Asn	Thr	Arg	His	Ala 285	Asp	Asp	Val	
Tyr	Arg 290	Gly	Tyr	Glu	Asp	Ile 295	Leu	Gln	Arg	Trp	Asn 300	Asn	Leu	Leu	Arg	
Lys 305	Lys	Asn	Pro	Ser	Ala 310	Pro	Asp	Pro	Arg	Pro 315	Asp	Ser	Val	Pro	Gln 320	
Glu	Ile	Pro	Ala	Val 325	Thr	Lys	Lys	Ala	Glu 330	Gly	Arg	Thr	Pro	Asp 335	Ala	
Glu	Ser	Ser	Glu 340	Lys	Lys	Ala	Pro	Pro 345	Glu	Asp	Ser	Glu	Asp 350	Asp	Met	
Gln	Ala	Glu 355	Ala	Ser	Gly	Glu	Asn 360	Pro	Ala	Ala	Leu	Pro 365	Glu	Asp	Asp	
Glu	Val 370	Pro	Glu	Asp	Thr	Glu 375	His	Asp	Asp	Pro	Asn 380	Ser	Asp	Pro	Asp	
Tyr 385	Tyr	Asn	Asp	Met	Pro 390	Ala	Val	Ile	Pro	Val 395	Glu	Glu	Thr	Thr	Lys 400	
Ser	Ser	Asn	Ala	Val 405	Ser	Met	Pro	Ile	Phe 410	Ala	Ala	Phe	Val	Ala 415	Cys	
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Arg	Ile	Asp 35	Asp	Asp	His	Ile	Val 40	Ile	Val	Ala	Pro	Arg 45	Pro	Glu	Ala	
Thr	Ile 50	Gln	Leu	Gln	Leu	Phe 55	Phe	Met	Pro	Gly	Gln 60	Arg	Pro	His	Lys	
Pro 65	Tyr	Ser	Gly	Thr	Val 70	Arg	Val	Ala	Phe	Arg 75	Ser	Asp	Ile	Thr	Asn 80	
Gln	Cys	Tyr	Gln	Glu 85	Leu	Ser	Glu	Glu	Arg 90	Phe	Glu	Asn	Cys	Thr 95	His	
Arg	Ser	Ser	Ser 100	Val	Phe	Val	Gly	Cys 105	Lys	Val	Thr	Glu	Tyr 110	Thr	Phe	
Ser	Ala	Ser 115	Asn	Arg	Leu	Thr	Gly 120	Pro	Pro	His	Pro	Phe 125	Lys	Leu	Thr	
Ile	Arg	Asn	Pro	Arg	Pro	Asn	Asp	Ser	Gly	Met	Phe	Tyr	Val	Ile	Val	

130					135					140					
Arg	Leu	Asp	Asp	Thr	Lys	Glu	Pro	Ile	Asp	Val	Phe	Ala	Ile	Gln	Leu
145					150					155					160
Ser	Val	Tyr	Gln	Phe	Ala	Asn	Thr	Ala	Ala	Thr	Arg	Gly	Leu	Tyr	Ser
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Lys	Ala	Ser	Cys	Arg	Thr	Phe	Gly	Leu	Pro	Thr	Val	Gln	Leu	Glu	Ala
			180					185					190		
Tyr	Leu	Arg	Thr	Glu	Glu	Ser	Trp	Arg	Asn	Trp	Gln	Ala	Tyr	Val	Ala
		195					200					205			
Thr	Glu	Ala	Thr	Thr	Thr	Ser	Ala	Glu	Ala	Thr	Thr	Pro	Thr	Pro	Val
	210					215					220				
Thr	Ala	Thr	Ser	Ala	Ser	Glu	Leu	Glu	Ala	Glu	His	Phe	Thr	Phe	Pro
225						230				235					240
Trp	Leu	Glu	Asn	Gly	Val	Asp	His	Tyr	Glu	Pro	Thr	Pro	Ala	Asn	Glu
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			260					265					270		
Gly	Val	Thr	Val	Ala	Ala	Val	Val	Ser	Ala	Thr	Ile	Gly	Leu	Val	Ile
		275					280					285			
Val	Ile	Ser	Ile	Val	Thr	Arg	Asn	Met	Cys	Thr	Pro	His	Arg	Lys	Leu
	290					295					300				
Asp	Thr	Val	Ser	Gln	Asp	Asp	Glu	Glu	Arg	Ser	Gln	Thr	Arg	Arg	Glu
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Ser	Arg	Lys	Phe	Gly	Pro	Met	Val	Ala	Cys	Glu	Ile	Asn	Lys	Gly	Ala
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Asp	Gln	Asp	Ser	Glu	Leu	Val	Glu	Leu	Val	Ala	Ile	Val	Asn	Pro	Ser
			340				345						350		
Ala	Leu	Ser	Ser	Pro	Asp	Ser	Ile	Lys	Met						
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